

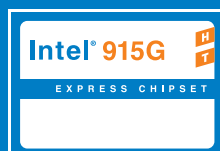


**Are You Looking for the
Right Business PC?**

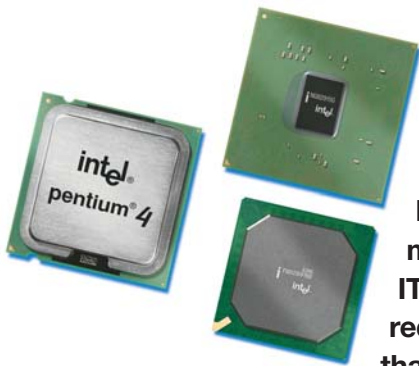




In today's fast-moving business environment, the business desktop PC needs to tackle the demands of knowledge workers, as well as the IT professionals who manage the infrastructure. Multitasking users are looking to collaborate effectively with customers and suppliers, both within and beyond the business firewall. They also need real-time data to help them make better decisions.



The 2004 Business Desktop Platform



Business managers and IT professionals require platforms that can:

- Maximize image stability to reduce qualification and deployment efforts for reduced total cost of ownership (TCO)
- Seamlessly run tools, such as antivirus, encryption, and compression services to increase data protection, security, and IT efficiency
- Deliver today's essential features and performance, with headroom for future applications
- Provide flexibility to support the needs of mainstream users and scale to meet the demands of business power users

The new 2004 business PC platform with the Intel® 915G Express chipset and Intel® Pentium® 4 Processor with Hyper-Threading Technology¹ delivers the performance, scalability, and features required by today's business users.

The Intel 915G Express chipset is also a main component of the 2004 Intel® Stable Image Platform Program, which reduces platform configuration variations which results in less number of deployed PC configurations and therefore can help in reducing the total cost of ownership.

A New Level of System Performance and Headroom

- **Designed for the Intel Pentium 4 Processor with HT Technology.¹** The Intel 915G Express chipset is designed, optimized, tested, and qualified to work with the Intel Pentium 4 Processor with HT Technology.¹ This combination delivers an outstanding business PC platform: the power to run today's multitasking environment, with the scalability and headroom for emerging applications and evolving business usage models.
- **Support for the new PCI Express* bus.** This new PC bus architecture vastly improves the available bandwidth for graphics, video, LAN networks, and other high-speed PCI Express devices within the PC. PCI Express supported by the Intel 915G Express chipset enables a new generation

of high performance PC graphics solutions that deliver significant graphics improvement for demanding business applications over existing solutions. For networking, PCI Express delivers higher bandwidth, allowing a new series of PCI Express GbE LAN devices to operate, which can greatly improve business desktop PC networking performance.

- **Dual-Channel 533-MHz DDR2 Memory.** In today's business environment, where employees are often working on multiple spreadsheets, applications, and other tasks at the same time, applications increasingly take advantage of PC system memory. Having larger and higher-performance system memory allows more applications to open at once, with faster system response time—helping to improve productivity when multitasking.

The Intel 915G Express chipset supports today's state-of-the-art PC memory architecture called DDR2. With its dual-channel capability, the 915G Express chipset delivers memory bandwidth of up to 8.5 GB/s, greatly improving overall system performance and application performance in multitasking situations. Intel® 915G Express chipset with the new Intel® Flex Memory Technology offers users an easy system memory upgrade path. The PC will realize dual memory channel performance as long as both channels are populated with the same amount of memory, independent of the DIMM density/size.

Fast and Secure File Storage

- **Intel® Matrix Storage Technology.** Safekeeping of valuable files and applications is critical to businesses, and can be provided via hard drive mirroring. Increased hard drive performance improves the overall performance of applications that are often stored and retrieved from the system hard drive. These capabilities have historically only been available in servers with RAID technology.

With the introduction of the Intel 915G Express chipset, Intel brings the benefits of RAID 0, RAID 1, or combination of both to business desktop PCs at a fraction of the cost of today's add-in RAID solutions. With the integrated Intel® Matrix Storage Technology software utility, migration to RAID is an easy task. This utility also enables configuration for RAID 0, RAID 1, or a combination of

both. With its hot-plug capability, it is possible to replace or swap a hard drive in a running system. The integrated Intel RAID Controller utility provides for easy configuration of the newly placed hard drive as a RAID replacement or standalone disk.²

- **Next-generation Serial ATA Storage Interface.**

The Intel 915G Express chipset offers an improved Serial ATA or SATA interface architecture called SATA AHCI. With out-of-order queuing and execution capability, the new interface vastly improves the performance of application reads and writes to and from the system hard drive, especially in multitasking environments, for faster system and application responsiveness.

Software Image Stability

When you are managing a fleet of PCs and notebooks, reducing variability in the client PC environment is critical to streamlining IT processes and controlling TCO. With reduced variability, new systems can be added more quickly, IT processes can be more efficient, problems can be resolved faster, training requirements can be reduced, and much more. To deliver this stability at the platform level, Intel has developed the Intel Stable Image Platform Program. The Intel 915G Express chipset is one of the key components of this program. With its internal design architecture, the Intel 915G Express chipset and its Intel® Graphics Media Accelerator 900 deliver enhanced image stability and reduction in total platform variations—making it ideal for business IT customers looking to simplify their environment and reduce TCO.

High-Quality and Stable Graphics Solution

- **Intel® Graphics Media Accelerator 900.** The latest generation of Intel graphics deliver outstanding quality, stability, and value for current and emerging business applications users. Among all key features and support, the next-generation Intel Graphics is also a key component of the Intel Stable Image Platform Program, which delivers software and driver stability and consistency for business IT managers, looking to simplify and minimize the total number of PC configurations they need to develop and maintain. The Intel® Graphics Media Accelerator 900:

Features and Benefits:

- **Industry support and intensive validation** for a wide range of business applications, OS, and standards
- **Dynamic Video Memory Technology 3 (DVMT)** for fixed or dynamic video memory allocation, allowing maximum configuration flexibility
- **Support for DirectX9* and OpenGL* 1.4** for new 3-D operating systems and office applications
- **Dual Independent Display support** for increased client productivity by supporting two independent displays for concurrent application viewing and expanded workspaces.

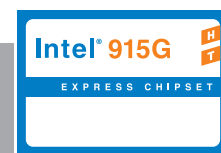
Wireless Connectivity Simplified³

- **Intel® Wireless Connect Technology⁴ is an optional feature available in limited quantities only.** The Intel 915G Express chipset can be configured with Intel® Wireless Connect Technology to enhance distribution

of wireless content and resources in the office. The step-by-step software wizard simplifies the office network setup allowing you to connect to an existing wireless network or create a new network with your PC acting as the main wireless hub, or access point. Together with other wireless-enabled devices you can now manage, and view digital content remotely anywhere in your office.

Enhanced Digital Audio Capabilities

- **Intel® High-Definition Audio.** The Intel 915G Express chipset supports a new level of audio quality, stability, and performance. The new Intel® High Definition (HD) Audio supports Microsoft's Unified Audio Architecture* (UAA), which delivers a complete driver solution stack, so there are no dependencies on third-party drivers. Intel® HD Audio delivers high bandwidth to support new uses, such as speech recognition and voice over IP (VoIP). With Intel HD Audio, applications can also take advantage of multiple streaming audio capabilities such as sending, receiving, and playing audio files simultaneously.



Intel® 915G Express Chipset Features At a Glance

Intel® Graphics Media Accelerator 900	Offers a high quality, stable and cost effective graphics solution for current and emerging business applications.
PCI Express* bus	Delivers up to 4x increase in graphics and up to 2x I/O bandwidth for smooth multimedia performance.
Intel® High-Definition Audio	Enable premium home theater experience through the PC, with support for all major audio formats.
Intel® Matrix Storage Technology	Boosts your storage performance while protecting your valuable digital memories.
Intel® Wireless Connect Technology⁴	Provides a flexible wireless solution for the desktop platform, allowing easier sharing of digital content in your office. ³
Dual Channel DDR2 533 MHz Memory	Dual channel DDR2 533 memory delivers up to 8.5 GB/s for more responsive system performance.

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¹ Hyper-Threading (HT) Technology requires a computer system with an Intel® Pentium® 4 processor supporting HT Technology and an HT Technology-enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See www.intel.com/info/hyperthreading for more information including details on which processors support HT Technology.

² System must be configured as "RAID Ready" to take advantage of Intel® RAID Migration Technology, which includes enabling the RAID controller in the BIOS and installing the Intel® Application Accelerator software driver.

³ Intel recommends wireless connect technology for small business only.

⁴ Intel® Wireless Connect Technology requires an Intel® 9xx Express chipset with Intel® 82801FW or RW (ICH6W or RW) I/O Controller Hub and a separate Intel® PRO/Wireless 2225BG Network Connection solution. Availability may be limited. Consult with your system vendor for more information, including whether Intel Wireless Connect Technology has been enabled on your system.

The Intel® Pentium® 4 processor and Intel® 915G Express chipset may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request. Intel Corporation assumes no responsibility for the use of any circuitry other than circuitry embodied in an Intel® product. Information contained herein supersedes previously published specifications on these devices from Intel.

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